Canadian Journal of Microbiology

Author Index
Volume 49, 2003

Revue canadienne de microbiologie

Index des auteurs
Volume 49, 2003

Alabouvette, C., 556
Aliahmadi, A., 645
Allan, N.D., 613
Alloisio, N., 294
Almeida, V.S., 221
Amellal, N., 367
Amir, H., 288
Andre, P., 78
Angelini, J., 399, 576
Anjaiah, V., 85
Asadi, S., 645
Asgharzadeh, A., 645
Azcón, R., 577
Babel, W., 713
Bai, D.-H., 663
Balasubramanian, N., 263
Balkwill, D., 151
Baratto, C.M., 723
Barea, J.M., 577
Barkay, T., 151
Batchelor, P.J., 569
Batté, M., 741
Bayona, J.M., 120
Benyehuda, G., 151
Beveridge, T.J., 613
Biró, B., 577
Bleiweis, A.S., 350
Boiron, P., 669
Boomer, I., 514
Botha, A., 425
Boyetchko, S.M., 538
Brady, L.J., 350
Branquinha, M.H., 221, 625
Bravo, D., 357
Bret, L., 443
Breuil, C., 301
Bronzato, L.S., 221
Brooks, S.P.J., 589
Bull, H.J., 225
Burg, K., 549
Bürgmann, H., 549
Burnett, R., 650
Busz, H.W., 655
Byrne, J., 326
Camporota, P., 556
Campos-Rodríguez, R., 164
Carbonell, G.V., 479
Cardoso, M.R., 503
Carty, N.L., 450
Casoli, E., 669
Cerniglia, C.E., 139
Cha, I.H., 465
Chan, Y.-K., 253
Chao, L., 531
Charmet, G., 492
Chen, G., 733
Chestukhina, G.G., 37
Choi, S.-W., 663
Chotte, J.L., 281
Christakopoulos, P., 639
Chubatsu, L.S., 145
Colwell, R.R., 569
Conradie, W.J., 425
Cooke, P.H., 45
Coombs, J., 151
Cornelis, P., 85
Cornelissen, S., 425
Cottenceau, G., 357
Couble, A., 669
Courtney, P.D., 51
Crawford, D.L., 418, 683
Cullen, W.R., 9
Cyr, T.D., 763
Cyrenne, S.A., 538
Daneshtalab, M., 344
Dardanelli, M., 399, 576
Darini, A.L., 479
da Silva, M.V., 723
d'Avila-Levy, C.M., 625
de Freitas, J.R., 538
Delston, R.B., 525
Dennis, P.C., 15
Deobald, L.A., 683
Díaz-Ramírez, I.J., 755
Diédhiou, S., 281
Di Martino, P., 443
Domenach, A.-M., 294
Duarte, M., 357
Dunphy, G.B., 514
Duponnois, R., 281
Economou, L., 639
Edel-Hermann, V., 556
Eis, N., 775
Emerich, D.W., 237
Etemadi, G., 645
Fabra, A., 399, 576
Falcón, R.M., 479
Fares, J., 503
Farrah, S.R., 65
Fassouane, A., 669
Favela-Torres, E., 755
Feizabadi, M.M., 645
Fekete, E., 216
Fett, W.F., 45
Filonow, A.B., 130
Fons, F., 367
Forsberg, C.W., 171
Francis, M.McD., 699
Fukui, K., 313
Fukumori, Y., 197
Fulthorpe, R., 15
Fursy, R., 443
Furusawa, G., 92
Galen, J.E., 531
Galvão, C.W., 145
Gannon, V.P.J., 326
Gatti, M.S.V., 479
Gilboa-Garber, N., 230
Golding, G.B., 269
Gomes, R.C., 625
González, S., 472
Gonzalez-Bonilla, C., 65
Gonzalez-Franco, A.C., 683
González-Lama, Z., 207
González-Martín, M., 207
Goto, T.N., 375
Gould, W.D., 699
Graham, T.A., 326
Granato, C., 503
Green, L.S., 237
Gregor, A.K., 483
Guillemaut, C., 556
Gulya, T.J., 492
Gusils, C., 472
Gutiérrez-Rojas, M., 755
Ha, J.K., 171
Halda-Alija, L., 781
Hammad, Y., 294
Hamood, A.N., 450
Hatsu, M., 28, 58
Hawari, J., 362
Hayano, K., 305
Hayes, S., 225
Hebbelinck, K., 336
Hefferon, K.L., 157
Hefford, ME., 763
Heidelberg, J.F., 569
Henry, M., 367
Hestnes, A.G., 602
Holubářová, A., 189
Hsiang, T., 433
Hwang, S.Y., 139
Inglis, G.D., 655

© 2003 NRC Canada

Inoue, T., 313
Jean, W.D., 244
Jenkins, J.K., 51
Joazeiro, P.P., 479
Joens, L.A., 727
Johnson, J.Y.M., 326
Jones-Meehan, J.M., 569
Juliet, G.A., 263
Jun, H.S., 171
Kalischuk, L.D., 655
Kalmokoff, M.L., 589, 763
Kamashwaran, S.R., 418
Kanemori, M., 197
Kang, H., 139
Kaper, J.B., 531
Karaffa, L., 216
Kasahara, Y., 313
Kekos, D., 639
Khalid, Z.M., 569
Khan, A., 433
Kim, E., 139
Kim, S.-K., 139
Kim, S.W., 139
Kim, Y.M., 139
Kim, Y.-S., 139
Kimoto, H., 707
Kleinsteuber, S., 713
Kloepper, J.W., 383
Klubek, B., 483
Ko, S., 237
Kobayashi, M., 707
Kobayashi, Y., 375
Koedam, N., 85
Koike, S., 375
Kokeguchi, S., 313
Konukhova, A.V., 37
Kooi, C., 613
Kostina, L.I., 37
Kothary, M.H., 525
Kozma, J., 216
Kuipers, B., 9
Kumano, M., 71
Kurosawa, T., 344
Lalithakumari, D., 263
Lancelin, J.M., 669
Lanišnik Rižner, T., 110
Lanneluc, I., 357
Laurent, F., 669
Laurent, P., 741
Le, J.Y., 391
Leahy, J.G., 569
Lee, D.-H., 465
Lemay, G., 407
Lemriss, S., 669
Lerrer, B., 230
Lesman-Movshovich, E., 230
Leyval, C., 367
Lin, Y.-T., 244
Liss, S.N., 15
Lombard, Y., 78
Lupiola-Gómez, P.A., 207
Macris, B.J., 639
Malburg, Jr., L.M., 171
Maréchal, J., 294
Martín-Barrasa, J.L., 207
Mathieu, L., 741
McAllister, M., 589
McArthur, W.P., 350
McCormick, W.A., 253
Mizumachi, K., 707
Mobasheri, F., 645
Mohn, W.W., 9
Moreira, R., 503
Moreno, F., 357
Mori, K., 28
Mori, Y., 344
Murata, M., 71
Nickerson, K.W., 775
Nicolas, P., 492
Nomura, M., 707
Normand, P., 294
Oba, I.T., 503
Oberholzer, U., 514
Oberle, S., 78
Ohba, M., 465
Ohki, R., 71
Ohmiya, K., 375
Ohno, S., 71
Okamoto, T., 707
Olson, B.H., 391
Oppezzo, O., 472
Panagiotou, G., 639
Pannu, J.K., 508
Parveen, S., 65
Passaglia, L., 723
Pedrosa, F.O., 145
Phillips, R.S., 443
Pickard, M.A., 675
Pineau, R., 288
Pinho, J.R.R., 503
Pizarro, R., 472
Pócsi, I., 216
Pons, A.M., 357
Popesku, J.T., 362
Poupin, P., 181
Prévost, M., 741
Pulvin, S., 181
Quintero, E.J., 569
Rahman, A.K.M.S., 58
Rajagopal, S., 775
Ramírez-Saad, H., 755
Rang, C., 531
Raphael, B.H., 727
Reddy, M.S., 383
Reiter, B., 549
Revina, L.P., 37
Richard-Molard, M., 556
Rifai, S., 669
Riis, V., 713
Roeckel-Drevet, P., 492
Rojas-Hernández, S., 164
Rouault, É., 407
Ruiz-Lozano, J.M., 577
Rumbaugh, K.P., 450
Rust, S.R., 650
Sabaté, J., 120
Sablé, S., 357
Saint-Martin, N., 367
Saintpierre-Bonaccio, D., 669
Sakai, J., 305
Sakata, T., 92
Sándor, E., 216
Sandoz, M., 589
Santi, L., 723
Santos, R., 294
Saraceni, C.P., 503
Sardari, S., 344
Schellhorn, H.E., 733
Schmalenberger, A., 1
Schoenau, J.J., 538
Schrank, A., 723
Schrank, I.S., 723
Seifert, K.A., 253
Seifert, K.N., 350
Selinger, L.B., 326
Serrano-Luna, J.J., 164
Sessitsch, A., 549
Shangraw, K.A., 525
Shibayama, M., 164
Shieh, W.Y., 244
Shin, C.S., 663
Shingaki, R., 313
Shuttleworth, K.L., 139
Simi, S., 479
Singh, A., 362, 508
Singh, D.K., 101
Slaninová, I., 189
Slavcev, R.A., 225
Sleep, B.E., 15
Soares, E.V., 336
Soares, H.M.V.M., 336
Sokol, P.A., 613
Solanas, A.M., 120
Souza, E.M., 145
Souza, R.F., 625
Sparling, R., 28
Specklin, V., 78
Spivak, A., 683
Squires, S.G., 633
Srikalaivani, P., 263
Steffens, M.B.R., 145
Steinberg, C., 556
Subhas, 101
Sugitani, N., 58
Sundararaju, B., 443
Svenning, M.M., 602
Svoboda, A., 189
Sy, M.O., 281
Szentirmai, A., 216
Taguchi, H., 375

© 2003 NRC Canada

Takamizawa, K., 28, 58
Tall, B.D., 525
Tam, T.W.S., 633
Tamplin, M.L., 65
Tanguay, P., 301
Taoka, A., 197
Teather, R.M., 763
Tebbe, C.C., 1
Tejedor-Junco, M.T., 207
Thomas, D., 181
Thomas, J.E., 326
Topakas, E., 639
Tourvieille, J., 492
Tourvieille de Labrouhe, D., 492
Townshend, I., 326
Trigui, M., 181
Tsai, Y.-L., 391
Tsang, R.S.W., 633
Tseng, M., 244
Tsutsumi, V., 164
Ungerfeld, E.M., 650
Vainstein, M.H., 723
Varsa, E.C., 483
Vazquez-Duhalt, R., 675
Vermelho, A.B., 221, 625
Verrinder Gibbins, A.M., 171
Vidon, D.J.-M., 78
Viñas, M., 120
Vivas, A., 577
Wang, Y., 675
Ward, O.P., 362, 508
Ward, P.L., 151
Wartiainen, I., 602
Watanabe, K., 305
Waters, J.K., 237
Wheeler, M.H., 110
Whiteway, M., 514
Whitford, M.F., 763
Wolfaardt, G.M., 425
Wong, K., 269
Woo, D.S., 465
Yamane, K., 71
Yan, Z., 383
Yano, T., 479
Yasuda, A., 92
Yates, M.G., 145
Yoshikawa, T., 92
Yoshimatsu, K., 197
Yu, J.-H., 663
Yudina, T.G., 37
Zakarian, R.J., 514
Zalunin, I.A., 37
Zamudio, A.V., 65
Zhao, J.-S., 362
Zylstra, G.J., 139

© 2003 NRC Canada

Canadian Journal of Microbiology

Subject Index
Volume 49, 2003

Revue canadienne de microbiologie

Index des matières
Volume 49, 2003

16S rDNA, 28, 589
16S rRNA sequencing, 781
2,4,6-trinitrotoluene, 362
Acinetobacter, 569
AcMNPV, 157
Acremonium chrysogenum, 216
actin, 189
actinomycetes, 683, 669
adhesin, 399
adhesion, 472
Aeromonas caviae, 207
agriculture, 326
α-ketoglutarate dehydrogenase, 237
α-L-arabinofuranosidase, 639
algicidal activity, 92
alkane, 569
alkylated PAHs, 120
alternative respiration, 216
amine mono-oxygenase, 181
anastomosis group, 556
annual bluegrass, 433
anthracnose, 433
antibacterial activity, 37
antibiotic resistance, 207
antifungal, 344, 669, 683
antifungal activity, 253
antigenic, 633
apolipophorin-III, 514
arbuscular mycorrhizal symbiosis, 577
arbuscular mycorrhizas, 281
archaea, 28
arctic wetland, 602
attachment, 399
Bacillus pumilus, 383
Bacillus subtilis, 253
Bacillus thuringiensis, 37, 465
bacteria, 367
bacterial detergent resistance, 775
bacteriophage λspi156Δnin5, 225
bacteriophage lambda (λ), 225
biocontrol, 85
biodegradation, 9, 101, 120, 181, 508, 755
bioemulsifier, 569
biofilms, 45, 443, 741
biological control, 253
biopesticide, 253
bioremediation, 9, 15
biotransformation, 699
Bjerkandera adusta, 675
β-lactamases, 207
Bos taurus, 655
Bradyrhizobium, 237
Bradyrhizobium japonicum, 483
Burkholderia, 139
Burkholderia cepacia, 613
Butyrivibrio fibrisolvens AR1O rumen bacteriocin, 375, 763
cadmium, 418
cAMP, 344
Campylobacter jejuni, 727
campylobacters, 655
Candida, 514
Casuarinaceae, 281
cattle manure, 538
cell membrane, 51
cellulase, 375
cetyltrimethylammonium bromide, 775
Chaetoceros ceratosporum, 92
characterization, 633
chicken, 472
chit genes, 723
chitinases, 683, 723
chlorine, 741
cholera toxin, 65
chromium, 151
chromosome fragmentation, 313
CI repressor, 225
cI–rexA–rexB operon, 225
cI[Ts]2, 225
cI[Ts]857, 225
clinical isolates, 669
cloning, 357
clustered genes, 171
C. michiganense subsp. *insidiosum*, 101
Co, 288
Cochliobolus lunatus, 110
co-inoculation, 483
co-metabolism, 362
conjugated linoleic acid, 51
copper, 336, 425
crack entry, 399
creeping bentgrass, 433
ctxA, 65
cultured bacteria, 589
Curvularia lunata, 110
deep subsurface, 151
defective prophage, 313
defined mixed culture, 755
degradation, 713
denaturing gradient gel electrophoresis, 602
δ-endotoxins, 37
denitrification, 197
detection, 655
diesel fuel, 713
dimethylphenanthrene, 120
diversity, 713
DNA excretion, 313
DNA repair, 145
drinking water, 741
E. coli complementation, 294
E. coli O157:H7, 326
ectomycorrhizas, 281
emulsan, 569
endophytes, 549
endosymbiont, 625
enrichment culture, 755
Enterobacter cloacae, 479
Enterococcus faecalis, 645
enterotoxin, 479
entomopathogenic fungi, 723
enzymatic hydrolysis, 58
enzyme induction, 639
enzyme purification, 58, 639
epitope tagging, 407
ergosterol, 344
Escherichia coli, 443, 733
ethylindene, 699
extracellular, 625
faeces, 589
fecal population, 465
FeoB, 727
ferrous iron uptake, 727
Fibrobacter succinogenes S85, 171
FISH, 741
food safety, 45
Frankia, 294

© 2003 NRC Canada

free-living amoebae, 164
fungi, 110
Fusarium species, 253
fusarium wilts, 85
gastrointestinal tract, 707
gene expression, 157, 733
gene promoter, 375
genetic, 633
genetic diversity, 492
genetic profiles, 1
genetic transformation, 301
genomovar, 613
gliding motility, 92
glufosinate, 1
glyceraldehyde-3-phosphate dehydrogenase, 350
glycoproteins, 230
green fluorescent protein, 531
group B streptococci, 350
Gypsophila paniculata, 367
halophile, 244
halotolerant and halophilic microorganisms, 713
HCV genotypes, 503
heavy metals, 425
Helianthus annuus, 492
hemagglutinin, 525
hemodialysis, 503
hemolysin, 479
hepatitis C, 503
Herbaspirillum seropedicae, 145
herbivore, 465
hog manure, 538
homoserine lactones, 775
horizontal gene transfer, 197, 313
horizontal transfer, 269
H serotyping, 465
human antibodies, 164
human milk, 230
hydrocarbon fractions, 755
hydrolytic enzymes, 683
IAA, 781
identification, 556
incidence, 503
indigenous bradyrhizobia, 483
indole, 443
inhibition, 650
insect, 514
insecticidal activity, 465
iron, 78
iron superoxide dismutase, 294
isolation, 263
ITS, 556
Kla, 216
Lactobacillus, 51, 472
Lactococcus, 707
landfill, 28
late expression factors, 157
lead, 151, 336
lectins, 230
lincomycin resistance, 71
linoleic acid, 51
Listeria monocytogenes, 78
lmrAB genes, 71
LTIIa toxin gene, 391
lytic enzymes, 263
macrolactins A and F, 663
macrophages, 78
magnetic bead hybrid, 391
magnetotactic bacteria, 197
major facilitator superfamily (MFS), 71
manganese peroxidase, 675
manure output, 326
marine bacteria, 244
Marinobacter lutaoensis, 244
MEE analysis, 645
melanin, 110
melanization, 514
membrane skeleton, 189
membrane vesicles, 613
meningococci, 633
mercury, 151
metabolism, 699
metal bioavailability, 336
metalloprotease, 525
metalloproteinases, 221
metal release, 288
metal resistance, 151
metal transport, 727
Metarhizium anisopliae, 723
methane, 650
methanogen, 28
methanogenic, 418
methanotrophic diversity, 602
methylisoquinoline, 699
microbial activity, 288
microbial community, 538
microbial community analysis, 1
microbial diversity, 15
microcin B17, 357
microcin D93, 357
microcin L, 357
Micrococcus luteus, 37
microorganisms, 508
microtubule-like structure, 92
mixed culture, 362
monochloramine, 741
monocrotophos, 101
mucosal immunity, 164
mucus, 472
multidrug resistance (MDR), 71
multiproduction, 357
mung bean sprouts, 45
mycoactive compounds, 130
Naegleria fowleri, 164
naphthalene, 139
native microflora, 45
Ni, 288
nickel, 336
nifH, 549
nitrate reductase, 197
nitrogenase reductase, 549
nitrogen fixation, 237, 549
nodule, 514
nodule occupancy, 483
non-polyene, 669
nosocomial infections, 645
Ophiostoma piceae, 301
osmotic stabilizers, 263
oxidation, 675
oxygen, 216
oxygen uptake, 755
PA103, 450
P. aeruginosa, 101
Pb-polluted soil, 577
PBSX, 313
PCB, 9
PCR, 503
PCR–RFLP, 556
PCR–SSCP, 1
peanut, 399
peanut oil, 508
Penicillium sp. AHT-1, 58
pentachlorophenol, 418
peroxide, 216
phenanthrene, 139
phenazines, 85
phosphate, 741
phosphinothricin, 1
phosphotriesterase, 101
phosphodiesterase inhibitor, 344
phthalate, 139
phylogenetic, 589
phylogenetic analysis, 15
Phytomonas, 221
piperidine, 181
plant colonization, 383
plant disease, 538
plant growth, 281
plant-growth-promoting bacteria, 577
plant pathogen, 492
polychlorinated biphenyl, 9
polycyclic aromatic hydrocarbons, 508
polycyclic aromatics, 675
population genetics, 645
prevalence, 503
probiotics, 472, 707
promoter activity, 531

© 2003 NRC Canada

proteinase, 625
protein cost, 531
proteolytic bacteria, 305
protocatechuate, 139
protoplast, 263
Pseudomonas, 85, 181
Pseudomonas aeruginosa, 230, 450
Pseudomonas biofilms, 775
Pseudomonas fluorescens, 383
pSymB evolution, 269
ptxR, 450
pyrrolidine, 181
pyruvate decarboxylation, 650
RAPD, 492
rat, 589
recA gene, 145
recombinant protein, 723
recombinant viruses, 407
recX gene, 145
reductive dechlorination, 15
regeneration, 263
regulation, 450
regulon, 733
reovirus, 407
resistance, 418
Rex exclusion phenotype, 225
rhizobacteria, 383
rhizobia, 399
Rhizoctonia solani, 556
rhizosphere, 1, 367, 683
rhizosphere bacteria, 781
risk assessment, 1
RpoS, 733
rRNA genes, 1
RT-PCR, 171
rumen, 650
Ruminococcus albus, 375
Saccharomyces, 189
salinity, 713
Salmonella, 326
saponins, 367
Saprospira sp., 92
scanning electron microscopy, 45
Schizosaccharomyces, 189
secretory IgA, 164
serratial metalloprotease, 305
signalling molecule, 443
signal peptide, 375
Sinorhizobium meliloti, 269
sodF, 294
sodium dodecyl sulfate, 775
soil, 425
soil communities, 713
soil endopeptidase, 305
soil microbial activity, 538
soil microbial populations, 538
SOS mutagenesis, 145
spectrin, 189
Sphingomonas, 120
spore adhesion, 130
spore germination, 130
squalene synthase inhibitor, 663
Streptomyces, 669
Streptomyces kanamyceticus, 483
Streptomyces species, 663
subtilisin, 305
sucA, 237
sugar beet, 556
sulfidogenic, 418
surfactant, 362
survival, 707
Svalbard, 602
sweet potato, 549
tcpA, 65
technique, 655
tetrachloroethene, 15
thermotolerant bacteria, 244
thiamin, 650
Ti plasmid, 301
tomatoes, 221
toxA, 450
toxicity, 336
transactivator, 157
transformation, 362
transgenic sugar beet, 1
Trichothecium roseum, 263
Trifolium subterraneum, 367
trihydroxynaphthalene reductase, 110
trypanosomatid, 221, 625
tryptophanase, 443
ultramafic soils, 288
urea, 538
vaccination vectors, 407
vesicle, 569
Vibrio cholerae O139, 65
Vibrio tubiashii, 525
virulence, 78, 514
virulence factor, 613
virus assembly, 407
water, 326
water-quality monitoring, 391
Western blotting, 230
wetlands, 781
wild animal, 465
xylan, 171
xylanase, 58, 171
yeasts, 189, 425

© 2003 NRC Canada